

Faculty Changes 1965-1966

PROMOTIONS

To Professor:

JAMES K. KNOWLES — *Applied Mechanics*
 JOEL N. FRANKLIN — *Applied Science*
 JEROME VINOGRAD — *Chemistry and Biology*
 ROBERT D. MIDDLEBROOK — *Electrical Engineering*
 LEON T. SILVER — *Geology*
 ADRIANO M. GARSIA — *Mathematics*

To Associate Professor:

MARC A. NICOLET — *Electrical Engineering*
 PETER L. CRAWLEY — *Mathematics*
 RALPH W. KAVANAGH — *Physics*
 GERRY NEUGEBAUER — *Physics*
 FOSTER STRONG — *Physics*
 ROCHUS E. VOGT — *Physics*

To Senior Research Fellow:

PETER H. LOWY — *Biology*
 MICHAEL F. MOODY — *Biology*
 LAJOS PIKO — *Biology*
 MARIUS W. VAN HOF — *Biology*
 RAOUL KOPELMAN — *Chemistry*
 DUEN-PAO WANG — *Engineering*
 CLEMENS A. HEUSCH — *Physics*

To Assistant Professor:

WOLFGANG G. KNAUSS — *Aeronautics*
 MORRIS BROWN — *Organic Chemistry*

RUSSELL A. WESTMANN — *Civil Engineering*
 HENRY A. KREIGER — *Mathematics*
 DONALD S. BURNETT — *Nuclear Geochemistry*
 CHARLES W. PECK — *Physics*
 THOMAS A. TOMBRELLO — *Physics*
 JOHN N. BAHCALL — *Theoretical Physics*
 ROGER F. DASHEN — *Theoretical Physics*

NEW FACULTY MEMBERS

Professors:

ROBERT E. IRELAND — *Organic Chemistry* — from the University of Michigan, where he was associate professor of organic chemistry.
 RICHARD T. SHIELD — *Applied Mechanics* — from Brown University, where he was professor of applied mathematics.
 FREDERICK B. THOMPSON — *Applied Science and Philosophy* — from the General Electric Corporation in Santa Barbara, where he was a member of the technical staff.

Research Associates:

JAMES E. MERCEREAU — *Physics* — from the Ford Motor Company in Dearborn, Michigan, where he was staff member of the engineering research department.

Associate Professors:

JAMES N. BRUNE — *Geophysics* — from Columbia University, where he was adjunct associate professor of geology.
 JAMES J. MORGAN — *Environmental Health Engineering* — from the University of Florida, where he was associate professor of water chemistry and research associate professor of civil engineering.

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CIVIL ENGINEERS:

Prepare now for your future in highway engineering...get the facts on The Asphalt Institute's new computer-derived method for determining structural design of Asphalt pavements for roads and streets

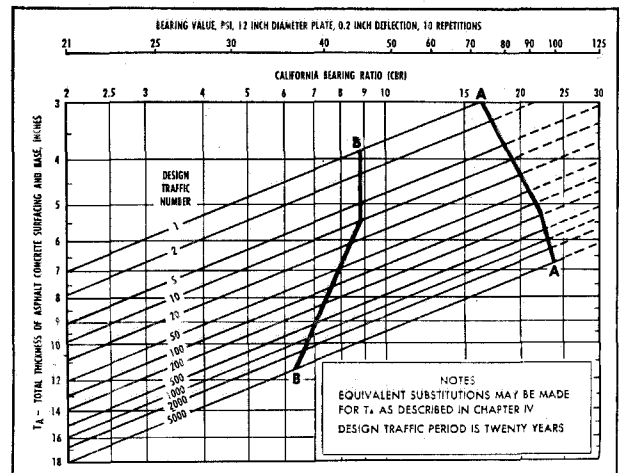
Today, as more and more states turn to modern Deep-Strength* Asphalt pavement for their heavy-duty highways, county and local roads, there is a growing demand for engineers with a solid background in the fundamentals of Asphalt technology and construction.

Help to prepare yourself now for this challenging future by getting the latest information on the new Thickness Design Method developed by The Asphalt Institute. Based on extensive statistical evaluations performed on the IBM 1620 and the mammoth IBM 7090 computers, accurate procedures for determining road and street structural requirements have been developed.

All the facts on this new method are contained in The Asphalt Institute's Thickness Design manual (MS-1). This helpful manual and much other valuable information are included in the free student library on Asphalt construction and technology now offered by The Asphalt Institute. Write us today.

*Asphalt Surface on Asphalt Base

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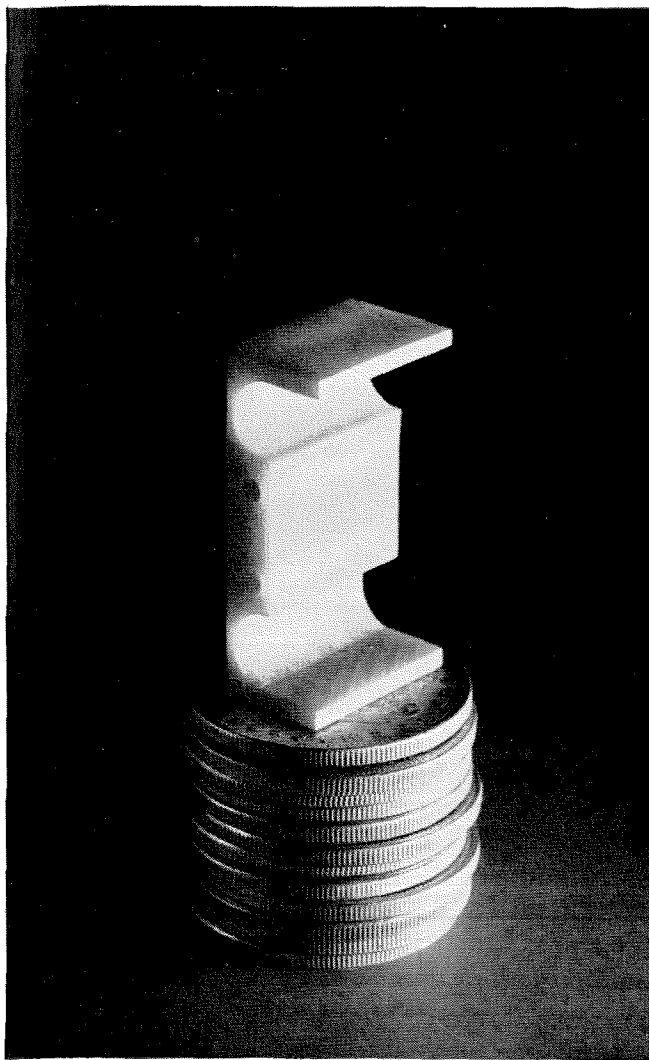


Thickness Design Charts like this (from the MS-1 manual) are used in this new computer-derived method. This chart enables the design engineer quickly to determine the over-all Asphalt pavement thickness required, based on projected traffic weight and known soil conditions.

THE ASPHALT INSTITUTE College Park, Maryland

Please send me your free student library on Asphalt construction and technology, including full details on your new Thickness Design Method.

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Faculty Changes . . . continued

RANGASAMI SRIDHAR — *Electrical Engineering* — from Purdue University, where he was associate professor of electrical engineering.

NICHOLAS W. TSCHOEGL — *Materials Science* — from the Stanford Research Institute, where he was a senior physical chemist.

Assistant Professors:

JOHN F. BENTON — *History* — from the University of Pennsylvania, where he was assistant professor of history.

DONALD S. COHEN — *Mathematics* — from Rensselaer Polytechnic Institute, where he was assistant professor of mathematics.

WILLIAM R. COZART — *English* — from Free University, Berlin, Germany, English Seminar.

JOHN A. HOLBROOK — *Mathematics* — He received his PhD degree from Caltech in June, 1965.

KEITH L. PHILLIPS — *Mathematics* — from the University of Washington, where he was instructor in mathematics.

GALEN L. SEEVER — *Mathematics* — from the University of California at Los Angeles, where he was acting assistant professor of mathematics.

FREDERICK H. SHAIR — *Chemical Engineering* — from the General Electric Company's Space Sciences Laboratory in Santa Barbara, where he was a research engineer.

WILLIAM B. WOOD — *Biochemistry* — from the University of Geneva, where he was a postdoctoral fellow in the department of biophysics.

Instructors:

JOHN F. CRAWFORD — *English* — from Newark College of Engineering, where he was instructor of English.

ROGER C. NOLL — *Economics* — from Harvard, where he was a teaching fellow. He received his BS degree from Caltech in mathematics in 1962.

ON LEAVE OF ABSENCE, 1965-1966

FELIX H. BOEHM, professor of physics, to study at the Bohr Institute in Copenhagen.

ROBERT D. MIDDLEBROOK, professor of electrical engineering, to write, and to give lectures and observe work in solid state electronics at universities and in industries in Europe and the United States.

DAVID BRAVERMAN, associate professor of electrical engineering, to the Hughes Aircraft Company in Los Angeles, the Space Systems Division, to help in defining the role of the synchronous satellite in worldwide communications.

DAVID R. SMITH, assistant professor of English, to do research and to write a book on the developing art of Joseph Conrad.

BRADFORD STURTEVANT, assistant professor of aeronautics, to Harvard to teach fluid mechanics and to do experimentation in non-linear dispersive water waves.

RESIGNATIONS

ANTON LANG, professor of biology, to Michigan State University.

FRANK PRESS, professor of geophysics, director, Seismological Laboratory, to MIT.

MILTON LEES, associate professor in mathematics, to Case Institute of Technology.

ROBERT L. KOVACH, assistant professor of planetary science, to Stanford University.

JAMES D. HALPERN, instructor in mathematics, to the Institute for Advanced Studies, Princeton.

COLIN W. CRYER, instructor in mathematics, to the University of Wisconsin.